

**WHAT IS CLAIMED IS:**

- 1           1.       A system for RAID configuration of a target information handling  
2 system having one of plural vendor-specific configurations, the system comprising:  
3           a RAID configuration utility operable to provide RAID configuration  
4           information to the target information handling system with a selected  
5           vendor-specific utility associated with the target information handling  
6           system;  
7           a DHCP server operable to provide a RAID configuration PXE boot file to the  
8           target information handling system on an initial boot or to selectively  
9           provide a primary boot file to the target information handling system;  
10          and  
11          a deployment engine operable to communicate the RAID configuration  
12          information to the target information handling system after boot with  
13          the RAID configuration PXE file, the RAID configuration information  
14          for performing a vendor specific configuration, the deployment engine  
15          further operable to reset the DHCP server to boot the target  
16          information handling system to the primary boot file after application  
17          of the RAID configuration information.
  
- 1           2.       The system of Claim 1 wherein the RAID configuration information  
2 comprises an agent operable to run a RAID configuration utility over a deployment  
3 operating system running on the target information handling system.
  
- 1           3.       The system of Claim 1 wherein the deployment engine is further  
2 operable to determine an initial state of the target information handling system and to  
3 adjust the RAID configuration information according to the initial state.
  
- 1           4.       The system of Claim 3 wherein the deployment engine determines the  
2 initial state from a state label of the target information handling system.
  
- 1           5.       The system of Claim 1 further comprising a user interface in  
2 communication with the deployment engine and the RAID configuration utility, the

3 user interface operable to display RAID configuration information translated by the  
4 RAID configuration utility from a vendor-specific format to a vendor independent  
5 format, the user interface further operable to command the deployment engine to  
6 populate the target information handling system with the RAID configuration utility.

1 6. The system of Claim 5 wherein the user interface is further operable to  
2 select RAID configuration information for the target information handling system by  
3 comparing a unique identifier read from the target information handling system with a  
4 database that associates vendor-specific configurations to information handling  
5 system unique identifiers.

1 7. The system of Claim 1 further comprising plural RAID configuration  
2 PXE boot files, each RAID configuration PXE boot file associated with a vendor-  
3 specific RAID configuration utility.

1 8. The system of Claim 1 further comprising a post operating system  
2 agent deployable to the target information handling system and operable to command  
3 reboots of the target information handling system to trigger RAID configuration.

1 9. A method for RAID configuration of a target information handling  
2 system, the method comprising:  
3 selecting a RAID configuration for deployment to a target information  
4 handling system, the RAID configuration associated with a vendor-  
5 specific configuration utility;  
6 identifying one of plural RAID configuration boot files associated with a  
7 DHCP server, the identified RAID configuration boot file associated  
8 with the vendor-specific configuration utility;  
9 performing a PXE boot from an initial state of the target information handling  
10 system with the RAID configuration boot file to run a deployment  
11 operating system;  
12 deploying RAID configuration information to the target information handling  
13 system;

14 applying the RAID configuration information to the target information  
 15 handling system;  
 16 identifying a primary boot file associated with the DHCP server; and  
 17 performing a PXE boot with the primary boot file.

1 10. The system of Claim 9 deploying RAID configuration information to  
 2 the target information handling system further comprises:  
 3 translating raid configuration information from a vendor-specific format to a  
 4 vendor-independent format;  
 5 displaying the translated RAID configuration information at a user interface;  
 6 and  
 7 deploying the RAID configuration information to the target information  
 8 handling system with a command from the user interface.

1 11. The method of Claim 10 further comprising:  
 2 receiving RAID configuration status information from the target information  
 3 handling system in a vendor specific format;  
 4 translating the status information to a vendor-independent format; and  
 5 displaying the status information at the user interface.

1 12. The method of Claim 9 wherein deploying the RAID configuration  
 2 information to the target information handling system further comprises:  
 3 deploying a vendor-specific RAID configuration utility to the target  
 4 information handling system; and  
 5 executing the vendor-specific RAID configuration utility at the target  
 6 information handling system.

1 13. The method of Claim 9 further comprising:  
 2 determining an initial state of the target information handling system by  
 3 reading a state label from the target information handling system; and  
 4 determining RAID settings for the target information handling system from  
 5 the initial state.

- 1           14.     The method of Claim 9 further comprising deploying software
- 2     applications to the target information handling system with a primary operating
- 3     system provided by the primary boot file.